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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/680,284	10/06/2000	Sigrid Lise Fossheim	REF/FOSSHEIM/100	8494
7	590 03/24/2004		EXAM	INER
Bacon & Thomas PLLC			WELLS, LAUREN Q	
625 Slaters Lar 4th Floor	ne		ART UNIT	PAPER NUMBER
Alexandria, V	A 22314-1176		1617	
			DATE MAILED: 03/24/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)		
Office Action Summary		09/680,284	FOSSHEIM ET AL.		
		Examiner	Art Unit		
		Lauren Q Wells	1617		
Period fo	The MAILING DATE of this communication ap	ppears on the cover sheet w	ith the correspondence address		
A SH THE - Exte after - If the - If NO - Failt Any	IORTENED STATUTORY PERIOD FOR REPLIMAILING DATE OF THIS COMMUNICATION ensions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. Experiod for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period to reply within the set or extended period for reply will, by stature reply received by the Office later than three months after the mailing led patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a ply within the statutory minimum of thin will apply and will expire SIX (6) MON te. cause the application to become A	reply be timely filed ty (30) days will be considered timely. ITHS from the mailing date of this communication. 3ANDONED (35 U.S.C. § 133).		
Status					
1)[<	Responsive to communication(s) filed on 131	November 2003.			
′=	This action is FINAL . 2b) This action is non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposit	ion of Claims				
5)□ 6)⊠ 7)□	Claim(s) <u>1-3,6,9-11,24-26,31-37 and 39-68</u> is 4a) Of the above claim(s) <u>1-3,6,9-11,24-26,31</u> Claim(s) is/are allowed. Claim(s) <u>37,50-55,61-64,66 and 67</u> is/are rejection is/are objected to. Claim(s) are subject to restriction and/	1 <u>-36,39-49,56-60,65 and 68</u> ected.			
Applicat	ion Papers	•			
10)	The specification is objected to by the Examin The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examin Theorem Theo	cepted or b) objected to e drawing(s) be held in abeya ction is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).		
	under 35 U.S.C. § 119				
12)⊠ a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Bures See the attached detailed Office action for a list	nts have been received. nts have been received in A ority documents have beer au (PCT Rule 17.2(a)).	Application No received in this National Stage		
Attachmer	nt(s) ce of References Cited (PTO-892)	4) Interview	Summary (PTO-413)		
2) Noti 3) Infoi	ce of References Cited (F10-032) ce of Draftsperson's Patent Drawing Review (PT0-948) rmation Disclosure Statement(s) (PT0-1449 or PT0/SB/08 er No(s)/Mail Date	Paper No(s)/Mail Date nformal Patent Application (PTO-152)		

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DETAILED ACTION

Claims 1-3, 6, 9-11, 24-26, 31-37, 39-68 are pending. Claims 1-3, 6, 9-11, 24-26, 31-36, 39-49, 56-60, 65, and 68 are withdrawn from consideration, as they are directed toward non-elected subject matter. The Amendment filed 11/13/03, amended claims 37 and 68.

The Applicant's arguments toward the phrase "tissue electrical activity" and the state of the art are persuasive to overcome the 35 USC 112 rejection over this phrase in the previous Office Action. The Applicant's amendment to claim 37 is sufficient to overcome the 35 USC 112 rejection over this claim in the previous Office Action.

Election/Restrictions

Applicant states, "Applicants further note that claims 56-60, 65 and 68 have been mistakenly referred to as 'withdrawn from consideration'. . . Consideration thereof is respectfully requested". This argument is not persuasive. The Examiner respectfully points out that these claims are withdrawn from consideration per the election of species requirement. See page 3 of the previous Office Action mailed 5/15/03.

This Election/Restriction Requirement is hereby made final.

103 Rejection Maintained

The rejection of claims 37, 50-55, 61-64, 66-67 under 35 U.S.C. 103(a) as being unpatentable over Gamble et al. (4,728,575) in view of Ozer et al. (Eur. J. Pharm. Biopharm.) is MAINTAINED for the reasons set forth in the Office Action mailed 5/15/03, and those found below.

Applicant argues, "Gamble is concerned with providing a formulation of micelles and paramagnetic material that simultaneously maximizes micelle stability while permitting adequate

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rate of water exchange across the membrane. . .Gamble does not contain any motivation to modify the micelles in such a way that they respond to a physiological parameter like for instance temperature or pH. Such a modification is neither explicitly nor implicitly mentioned in the disclosure of Gamble". This argument is not persuasive. First, it is respectfully pointed out that the instant claims are directed toward a composition and not toward a method of modification. Second, it is respectfully pointed out that Gamble et al. teach micellular particles of the same phospholipids as taught by the instant invention. Thus, while Gamble may not explicitly state that their particles are temperatures/pH sensitive, such a sensitivity is a property of the particles, as evidenced by the teachings of Ozer et al.

Applicant argues, "Ozer et al., meanwhile describe temperature and pH sensitive liposomes used in drug delivery. Ozer is completely silent about contrast agents or diagnostic agents encapsulated in such liposomes". This argument is not persuasive. First, it is respectfully pointed out that Stedman's Medical Dictionary defines a drug as a therapeutic agent; any substance, other than food, used in the prevention, diagnosis, alleviation, treatment, or cure of disease. It is respectfully pointed out that a contrast/diagnostic agent is a substance used in the diagnosis and treatment of a disease. Second, it is respectfully pointed out that both Gamble et al. and Ozer et al. are directed toward liposomes that encapsulate active agents for in vivo administration, wherein the active agents are released in vivo. Thus, Gamble et al. and Ozer et al. are directed toward the same field of endeavor and there is motivation to combine the references.

Applicant argues that there is no motivation to combine the teachings of Gamble et al. and Ozer et al. See the above paragraph for a response to this argument.

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Applicant argues that the Examiner has inappropriately combined the references via an "obvious to try" standard. This argument is not persuasive. As discussed in the previous Office Action, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify or teach the liposomes of Gamble et al. as being temperature sensitive because of the expectation of achieving a liposome that exhibits controlled release in a site-specific manner.

Applicant argues, "any modification of Ozer to thereby prevent the liposome membranes from being destroyed would be against the implicit teaching of Ozer. As the Examiner's combination of Ozer with Gamble would destroy the invention of Ozer, i.e., prevent drug delivery". This argument is not persuasive. First, it is respectfully pointed out that the teachings of Ozer are NOT directed to preventing drug delivery, but are directed toward promoting drug delivery in a controlled fashion. Second, it is respectfully pointed out that both Gamble et al. and Ozer et al. are directed toward liposomes that degrade in vivo in order to release the active agents contained within the liposomes.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lauren Q Wells whose telephone number is 571-272-0634. The examiner can normally be reached on M&R (5:30-4).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreeni Padmanabhan can be reached on 571-272-0629. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

lqw

SREENI PADMANABHAN SUPERVISORY PATENT EXAMINER